

UTLS measures and the  
GCOS IP

# GCOS IP

- Published last November following adoption by UNFCCC
- Includes a raft of general and domain specific actions
- GRUAN relevant actions are highlighted in the GRUAN IP
- Of these ...

# UTLS Water Vapour

<b>Action A23: Measure of water vapour in the UT/LS</b>	
Action	Promote the development of more economical and environmentally friendly instrumentation for measuring accurate in-situ water vapour concentrations in the UT/LS.
Benefit	Improved UT/LS water vapour characterisation, water vapour CDRs.
Who	NMSs, NMIs, HMEI and GRUAN.
Time-frame	Ongoing.
Performance Indicator	Number of sites providing higher quality data to archives.
Annual Cost	10-30M US\$

# Why?

- Not just GRUAN that wants UTLS measurement capabilities
- Recognises the issues we have discussed several times over GWP of the cryogen
- Supports competition in the marketplace
- Encourages NMIs to address the challenge